

| Ref # | Hits   | Search Query  | DBs   | Default Operator | Plurals | Time Stamp       |
|-------|--------|---|---|------------------|---------|------------------|
| L4    | 468    | (gas adj sens\$3) and ammonium and sulf\$4                          | USPAT   | OR               | ON      | 2005/12/11 18:14 |
| L5    | 13     | brinz-thomas.in.  | USPAT   | OR               | ON      | 2005/12/11 18:16 |
| L6    | 4      | lewis-mary.in.  | USPAT   | OR               | ON      | 2005/12/11 18:30 |
| L7    | 0      | 5 and 6   | USPAT   | OR               | ON      | 2005/12/11 18:16 |
| L8    | 96     | optic\$2 near (gas adj sens\$3)                                     | USPAT   | OR               | ON      | 2005/12/11 18:30 |
| L9    | 68787  | ammoni\$2 and sulfonic  | USPAT   | OR               | ON      | 2005/12/11 18:31 |
| L10   | 0      | 8 and 9   | USPAT   | OR               | ON      | 2005/12/11 18:31 |
| L11   | 612    | optic\$2 same (gas adj sens\$3)                                     | USPAT   | OR               | ON      | 2005/12/11 18:31 |
| L12   | 15     | 9 and 11  | USPAT   | OR               | ON      | 2005/12/11 18:44 |
| L13   | 161    | optic same (gas adj sens\$3)  | USPAT   | OR               | ON      | 2005/12/11 18:44 |
| L14   | 1095   | poly?anetholsulfonic or poly?anilinesulfonic or polystyrenesulfonic | USPAT   | OR               | ON      | 2005/12/11 18:45 |
| L15   | 0      | 13 and 14   | USPAT   | OR               | ON      | 2005/12/11 18:45 |
| L16   | 6968   | gas adj sens\$3   | USPAT   | OR               | ON      | 2005/12/11 18:45 |
| L17   | 0      | 14 and 16   | USPAT   | OR               | ON      | 2005/12/11 18:46 |
| L18   | 25204  | gas adj sens\$3   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR               | ON      | 2005/12/11 18:46 |
| L19   | 229983 | sulfonic  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR               | ON      | 2005/12/11 18:46 |
| L20   | 331    | 18 and 19   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR               | ON      | 2005/12/11 18:46 |
| L21   | 7      | 13 and 19   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR               | ON      | 2005/12/11 19:26 |
| L22   | 0      | "6955750".pn. and (sulfonic or sulfur)                              | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR               | ON      | 2005/12/11 19:33 |

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|-----|---------|--|---|----|----|------------------|
| L23 | 624     | HTPS and optical   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2005/12/11 19:33 |
| L24 | 15      | HTPS and (optical adj sensor)  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2005/12/11 19:34 |
| L25 | 75      | hydroxypyrene near trisulfonic   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2005/12/11 19:35 |
| S1  | 1974    | 422/82.05  | USPAT   | OR | ON | 2005/12/09 16:08 |
| S2  | 16590   | ((sens\$5 adj layer) or (thin adj film)) same (oligomer or polymer)                          | USPAT   | OR | ON | 2005/12/09 16:30 |
| S3  | 6968    | gas adj sens\$3  | USPAT   | OR | ON | 2005/12/09 16:12 |
| S4  | 2382703 | acid\$2 or bas\$2  | USPAT   | OR | ON | 2005/12/09 16:12 |
| S5  | 275     | S2 and S3 and S4   | USPAT   | OR | ON | 2005/12/09 16:14 |
| S6  | 139     | (S2 same S4) and S3  | USPAT   | OR | ON | 2005/12/09 16:15 |
| S7  | 272     | ((sens\$5 adj layer) or (thin adj film)) same (oligomer or polymer)<br>same (side adj chain) | USPAT   | OR | ON | 2005/12/09 16:34 |
| S8  | 540     | ((sens\$5 adj layer) or (thin adj film)) same (oligomer or polymer)<br>same (side adj chain) | US-PGPUB;<br>USPAT;<br>USOCR;<br>DERWENT              | OR | ON | 2005/12/09 16:35 |
| S9  | 4       | S8 and (gas adj sens\$3)   | US-PGPUB;<br>USPAT;<br>USOCR;<br>DERWENT              | OR | ON | 2005/12/09 16:38 |
| S10 | 88      | S8 same S4   | US-PGPUB;<br>USPAT;<br>USOCR;<br>DERWENT              | OR | ON | 2005/12/09 16:38 |
| S11 | 1       | ("6245881").PN. OR ("6955712").URPN.   | US-PGPUB;<br>USPAT;<br>USOCR                          | OR | ON | 2005/12/09 16:43 |
| S12 | 79      | (gas adj sens\$3) and (polymer<br>same (side adj chain))                                     | US-PGPUB;<br>USPAT;<br>USOCR                          | OR | ON | 2005/12/10 11:03 |
| S13 | 595     | optic\$2 with (gas adj sensor)   | US-PGPUB;<br>USPAT;<br>USOCR                          | OR | ON | 2005/12/10 11:03 |
| S14 | 328     | S13 and polymer  | US-PGPUB;<br>USPAT;<br>USOCR                          | OR | ON | 2005/12/10 11:04 |

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|-----|---------|---|------------------------------|----|----|------------------|
| S15 | 4300493 | acid\$2 or bas\$2   | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2005/12/10 11:04 |
| S16 | 321     | S14 and S15   | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2005/12/10 11:07 |
| S17 | 3651601 | acid\$2 or (base or basic)  | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2005/12/10 11:07 |
| S18 | 292     | S14 and S17   | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2005/12/10 11:10 |
| S19 | 17192   | polymer with (side adj chain)   | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2005/12/10 11:10 |
| S20 | 6       | S13 and S19   | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2005/12/10 11:10 |
| S21 | 1       | "5426213".pn.   | USPAT                        | OR | ON | 2005/12/10 12:25 |
| S22 | 0       | a0/029659.ap.   | USPAT                        | OR | ON | 2005/12/10 12:26 |
| S23 | 0       | 10/029659.ap.   | USPAT                        | OR | ON | 2005/12/10 12:26 |
| S24 | 3       | "029659".ap.  | USPAT                        | OR | ON | 2005/12/10 12:26 |
| S25 | 161     | prohaska.in.  | USPAT                        | OR | ON | 2005/12/10 12:26 |
| S26 | 8       | prohaska and dalmia.in.   | USPAT                        | OR | ON | 2005/12/10 12:31 |
| S27 | 1       | "6955750".pn. and sensor  | USPAT                        | OR | ON | 2005/12/10 12:31 |
| S28 | 0       | "6955750".pn. and optic   | USPAT                        | OR | ON | 2005/12/10 12:31 |
| S29 | 0       | "6955750".pn. and optic\$2  | USPAT                        | OR | ON | 2005/12/10 12:55 |
| S30 | 2       | ((polysi or polycrystalline or polysilicon) near electrode) and (gas adj sens\$3) | USPAT                        | OR | ON | 2005/12/10 12:57 |
| S31 | 2       | S30 and film  | USPAT                        | OR | ON | 2005/12/10 12:57 |